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PREPARED BY

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Guide to Use of Index

AN INDEX always represents a compromise between the indexer's desire to arrange information in neat parcels and the reader's urgent wish to find what he wants quickly under the term which comes first to his mind. In this index, we have attempted to consider the reader's desires first without sacrificing reasonable economy and bulk.

It is hoped that users will read this introduction carefully since it explains the way in which the index has been arranged, and an understanding of this arrangement will add greatly to the ease of usage.

PART I. PRINCIPLES

The author and subject index have been combined in one alphabet. The subject index resembles that of *Chemical Abstracts*. The phrases modifying the subject headings have been made as short as possible—in each case only the major aspect of the paper in relation to the specific subject heading is given. For example, a paper entitled "Bone and Tissue Phosphatase in Experimental Scurvy" would be indexed under Bone with the phrase, phosphatase in scurvy; but with no mention in this place that rib was the specific bone studied, and that tissue such as muscle were also used. Entries would be made also under Rib and Muscle as well as under Scurvy and Phosphatase.

In most cases the specific not the general subject heading has been chosen for the index. When a general subject heading has been used, the material listed under it is of so general a nature as to preclude the use of a specific heading. The user wishing all material on a given broad subject, such as antihistaminics, should look in the list of subject headings in Part II for the names of antihistaminic substances and then look in the index under each of the subject headings given.

Wherever practical the page number used refers to the exact page in the article on which the information is to be found; or when a given piece of information is mentioned more than once, the *first* page on which it is mentioned. Where it was not practical to do this, the reference is to the first page of the paper.

Many of the subject headings are followed by a definitive word or phrase such as PROTEIN (DIETARY) or SODIUM (TISSUE METABOLISM). In other cases a preposition or phrase which can be added to the modifying phrase under the subject heading has been used such as CAT (studies of ——in); with this phrase, the modification adrenalectomy would read studies of adrenalectomy in cat.

For every paper the following items studied or described by the investigators were indexed:

- 1) Organ or anatomical system
- 2) Physiological states and functions
- 3) Pathological condition
- 4) Special tests, measurements, and apparatus
- 5) Chemical substances or compounds
- Species of animals
- 1) Organ or Anatomical System. Wherever possible, the anatomical entries appear under the name of the organ or system, not under the adjective referring to that organ or system—e.g. stomach rather than gastric; liver, not hepatic. This rule has been modified, however, to take care of usage; we normally speak and write of cardiac output, not heart output. In cases such as the latter, if the bulk of material was small enough, the papers have been indexed in both places, i.e. under CARDIAC OUTPUT and under HEART; whenever the bulk of material made such double entry impractical, cross references are given.

Large groups of entries under an organ have been broken into small groups for ease of searching. Where a paper seemed to fit equally well into two of the small groups, an entry has been made in each group. This does not mean, however, that all entries under Heart Metabolism deal only with metabolism or, conversely, that none of the other papers under Heart—have anything to do with metabolism. The user should bear in mind that these groupings are relative and are primarily to aid searching. For a definitive search of all material on metabolism of the heart, all of the entries under Heart—must be scanned.

2) Physiological States and Functions. We have followed common usage in choosing subject headings in this category regardless of the merits of less popular synonyms—e.g. anoxia not hypoxia. The less commonly used terms have been included with a see reference to the more popular terms. In cases where the bulk of material was too large to duplicate under both the anatomical and the physiological

heading, the anatomical heading has been given preference.

3) Pathological Condition. The same policy as in (2) above has been used with names of diseases and pathological conditions.

4) Special Tests, Measurements and Apparatus. New apparatus, tests and methods of determination have been indexed under the thing measured, and/or under

the name of the apparatus or test.

5) Chemical Substances or Compounds. The adequate indexing of pharmacologically active compounds is one of the most difficult problems in an index such as this one. A compound may have a chemical name, one or more trade names, a name approved by the AMA Council on Pharmacy, a common name and a pharmaceutical house number such as F933 (the Forneau number for 2-Piperidylmethyl), 11,4-Benzodioxan. An author may use one or more of these names in a paper, a user of the index may know only one of them. We have attempted to list the references to a drug under the most commonly used term, judging in part from the use of such terms in this journal. In addition we have provided a cross-reference pattern from the other names. Users are referred to the index to Vol. I, Part II, of Excerpta Medica for a more detailed list of synonyms of currently used drugs.

In regard to the chemical names we have used the names preferred by Chemical Abstracts, but have arranged them in direct rather than in inverted order. Chemical Abstracts uses Pyridine,2-[(Dimethylaminoethyl)-2-Thenylamino] as an entry; in this index that compound would appear as 2-[(2-Dimethylaminoethyl)-2-Thenylamino], Pyridine and would be alphabetized under Di. Substituted compounds of the same parent chemical structure with similar pharmacological properties have been grouped under the name of the parent compound to save duplication of entries, e.g. all androstanediols such as 3α , 17β , acetate-3 Androstanediol, are entered under Androstanediols. If an author has used a chemical name other than the preferred one, that name has also been included in the index with the

necessary cross reference.

As with the anatomical headings, many large groups of entries have been broken into smaller groups for convenience in searching; e.g. PROTEIN (DIETARY); PROTEIN (AS TISSUE CONSTITUENT); PROTEIN METABOLISM. The entries in these small groups are not mutually exclusive, and if a complete search for protein metabolism is needed all of the groups must be scanned.

6) Species of Animal. Every article has been indexed under the experimental animals used, but no attempt has been made to distinguish between strains or between young and adult animals. (Where age is an important factor the article has

been included under the subject heading AGE.)

In the case of experimental work on human beings all papers have been listed under Man. All contributions on women have also been listed under Woman.

The modifications used under animal names have been shortened as much as possible. For example, all papers on adrenal ectomy in cats have been grouped together; as have all papers of studies on effects of epinephrine in cats. These references to the animal used have been included for the convenience of the user who is interested in the characteristics of a particular species of animal.

PART II. LIST OF SUBJECT HEADINGS

The problem of see also references is a major one in the preparation of any subject index. Quarterly Cumulative Index Medicus, Chemical Abstracts and Biological Abstracts use many see also references; until recently, Current List solved the problem by not using any. For a complete pattern of see also references under a heading such as VITAMIN B-COMPLEX, the reader should be referred to each member of the complex used as a heading, e.g. Thiamin, Riboflavin; each disease name under which the effects of either a lack of or the presence of a member of the vitamin B-complex is indexed, e.g. Hyperthyroidism, Beri-Beri; each organ or tissue affected, e.g. Nerve; each physiological state or reaction, e.g. Chronaxie, and so on. Moreover, each subject heading referred to should also lead to all other subject headings in the original list and back to the vitamin B-complex. The magnitude of such a pattern is such that it can seldom be adhered to consistently throughout an entire index. Such a pattern would also require an enormous amount of space.

Indexers have long questioned how thoroughly see also references are used. At best they probably serve only as a reminder to the user of related subject headings under which he might find items of interest. Theoretically the problem would be solved by gathering together all entries under all pertinent specific and general headings. If this procedure were used, it should be followed consistently or the user would be misled and would miss many pertinent entries. There are a number of reasons against its use. The first, of course, is that the large bulk of material which would result would not only make the index exceedingly bulky and expensive, but would also increase the number of entries under each subject heading and reduce the ease with which the index could be scanned. In the second place, it is doubtful if any indexer could manage to list all items under all related headings so that all users could obtain all the information needed under one subject heading.

In this index, we have attempted to solve the problem of giving the user the information he needs about related subject headings by including lists of subject headings in the introduction. These subject headings have been divided primarily into five of the categories used for indexing, i.e. Organ or Anatomical System; PHYSIOLOGICAL STATES AND FUNCTIONS; PATHOLOGICAL CONDITIONS; CHEMICAL SUBSTANCE AND COMPOUNDS; and SPECIES OF ANIMAL STUDIED. Each group has been broken into smaller groups, the members of each sub-group having a single axis of categorization in common. The axis used, however, shifts from sub-group to sub-group, e.g. all body fluids are grouped together on the physical basis of being fluid; all nerves are grouped together on the anatomical basis of being nerves; but all members of the digestive tract are grouped together on the basis of function. The headings given to the various sub-groups should be labeled "subject headings referable to" the digestive tract, to the body fluids, etc., as some terms not strictly following the axis for categorization have been included, e.g. Chloride Space and SODIUM SPACE have been placed in the list with Intracellular Fluid and Extra-CELLULAR FLUID. No attempt has been made to arrive at groups which are completely logical—usability not logic has been the guiding principle. Subject headings which did not group conveniently on any one axis used have been allowed to stand alone near a list of related subject headings.

Not all the subject headings have been used. The lists have been kept to a

minimum to permit ease of scanning. Many have been left out, especially in the list of chemical subject headings. Where several subject headings begin with the same word or syllable, only the common part of the heading has been used, e.g. Digit—for Digitalis, Digitoxin etc. This will provide the user with a clue to the part of the alphabet in which he should look for material on the subject.

It is hoped that the user will make extensive use of these lists when searching for anything except a very specific subject. For example, if he wishes all material on antihistaminics he can find under the major category of Chemical Substances the list of antihistaminics indexed; namely, Antistine, Benadryl, Decapryn, Histadyl, Pyribenzamine and Thephorin. He then can look in the index for those in which he is interested. He can also find under Pathological Conditions those pathological conditions in which antihistaminics might have been used, e.g. Anaphylactic Shock, Allergic Rhinitis, Hay Fever etc.

SUBJECT HEADINGS REFERABLE TO ANATOMICAL TERMS

Systems ¹	PARTS OF BODY		
Autonomic nervous Cardiovascular Central nervous Olfactory Parasympathetic nervous Reproductive Reticulo-endothelial Sympathetic nervous Sympathetic nervous Sympathetico-adrenal Vago-insulin Vasomotor	Abdomen Arm Body—— Chest wall Extracellular space Eyelids Feathers Finger—— Foot Forehead	Fur Hair Hands Head Knee joint Leg Limbs Mesentery Pelvis Pericard——	Pleura Skin Surface area Tail Teeth Thorax Toe Viscera Wrist Carcass
Fluids			Blood, Formed Elements
Amniotic——	Exudates	Plasma	Eosinophiles
Arterial	Gastric	Prostatic—	Erythrocytes
Bile Blood	Hydatic cyst—— Intestinal——	Saliva	Granulocytes
Body——	Intestinal—— Intracellular——	Seminal—— Serum——	Leukocytes
Cerebrospinal——	Lymph	Sodium space	Lymphocytes Neutrophiles
Chloride space	Milk	Spermatocele——	Neutrophiles Platelets
Chyle	Pancreatic——	Sweat	Reticulocytes
Colostrum	Pericardial—	Sweat Synovial——	Thrombocytes
Extracellular	Peritoneal——	Venous	2 monitory tes
Tissues, Cells	RESPIRATORY SYSTEM	GLANDS ¹	ENDOCRINE GLANDS
Brown adipose	Bronchi	Brunner's	Adrenal-
Cell culture	Lungs	Cowper's	Anterior pituitary
Cells	Nasal pharynx	Harderian	Islets of langerhans
Epithelium	Nose	Lacrimal	Ovaries
Erythroid	Pulmonary	Mammary	Parathyroid
Melanophores	Respiratory tract	Salivary	Pituitary——
Mitochondria	Trachea	Submaxillary	Posterior pituitary
Myeloid		Sweat	Testes
Tissue			Thymus
			Thyroid
CARDIOVASCULAR SYSTEM	Arteries ¹		Veins ¹
Arteries	Aorta	Femoral	Coronary
Blood vessels	Bronchial	Hepatic	Inferior vena cava
Capillaries	Carotid	Pulmonary	Jugular
Cardiac	Common iliac	Renal	Muscularis
Cardiovascular	Coronary	Splenic	Portal
Coronary—	Digital	Superior mesenteric	Postcaval
Heart—	Ductus arteriosus	Umbilical	Pulmonary
Luminal vessels			
Thebesian vessels			
Vas——			
Veins			

¹ Look under names of system, gland, artery or vein, i.e. cardiovascular, Brunner's, aorta and coronary respectively.

Veins

LYMPHATIC SYSTEM	Supporting Structures	REPRODUCTIVE SYSTEM	
Lymph	Bone	Amnion	Reproductive system
Thoracic duct	Cartilage	Corpus luteum	Semen
Thoracic duct	Epiphyseal cartilage	Deciduomata	Seminal vesicles
	Femur	Epididymus	Sexual skin
	Ligamentum nuchae		The state of the s
		Fallopian tubes	Spermatozoa
	Skull bones	Ovaries	Testes
	Synovial membrane	Oviduct	Umbilical cord
	Tendon	Ovum	Uterus
	Tibia	Placenta Prostate	Vagina
URINARY TRACT	Muscles ²		EYE
Bladder	Anterior tibial	Lumbar	Aqueous humor
Glomerul—	Ciliary	Papillary	Eye
Kidney	Diaphragm	Quadriceps	Iris
Neph-	Extraocular	Rectus abdominis	Lens
Renal——	Gastrocnemius-	Respiratory	Nictitating membrane
Ureter	Interosseous	Retractor penis	Pupil
Vesical trigone	Intestinal	Sartorius	Retina
vesical trigorie	Latissimus dorsi	Semitendinosus	Actina
	Locomotor	Tibialis anticus	
ALIMENTARY TRACT	0	NERVES ²	TNL .
Alimentary tract	Gastric—	Aortic	Plantar
Anus	Hepatic—	Cardiac	Popliteal
Appendix	Ileum	Chorda tympani	Sciatic
Bile duct	Intestine——	Celiac	Splanchnic
Cecum	Jejunum	Femoral	Splenic
Cloaca	Liver—	Glossopharyngeal	Third cranial
Colon	Muscularis mucosae	Hypogastric	Tibial
Crop-sac	Pancreas	Hypoglossal	Trigeminal
Duodenum	Pylorus	Lingual	Vagus
Esophagus	Rectum	Motor	Vestibular
Feces	Spleen	Olfactory	
Flatus	Stomach—	Optic	Meissner's plexus
Gall bladder	Stomach	Pelvic	racissies s picaus
Gair bladder		Phrenic	
Name Communication			
Nervous System Cardiac ganglion	Axons	Neurons	Adrenotropic receptors
Ganglion——	Endoneural spaces	White matter	Aortic body
		White matter	
Sensory ganglia	Motor nerves		Carotid—
Sympathetic n. s.—	Nerve—		Chemoreceptors
	Neuromuscular junction		Proprioceptors
CENTRAL NERVOUS SYST	тем		
Blood-cerebrospinal	Cerebrum	Hemato-encephalic bar-	Occipito-parieto-
fluid barrier	Corpora quadrigemina	rier (blood-brain)	temporal lobes
Brain stem	Corpus callosum	Hippocampus	Pallium
Brain	Cortic—	Hypothalamus	Parietal lobes
Caudate nucleus	Forebrain	Internal capsule	Pons
Central n. s.	Fourth ventricle	Medulla oblongata	Spinal cord
Cerebellum	Frontal lobes	Midbrain	Telencephalon
		Neostriatum	Thalamus
Cerebral	Geniculate bodies, medial	recontilatum	1 natanius

² Look under name of muscle, nerve, i.e. anterior tibial, aortic.

AREAS, CENTERS, TRACTS, PATHWAYS OF C.N.S.

Acoustic area Anterior olfactory nucleus Auditory nervous pathways

Extrapyramidal tracts Motor nuclei Optic tract Paraventricular nuclei Pyramidal tracts Pyriform-amygdaloid

areas

Red nucleus Respiratory center Somatic centers Spinal cardiovascular centers

Suppressor areas Vasomotor centers Visual pathway Vomiting centers

SUBJECT HEADINGS REFERABLE TO PHYSIOLOGICAL STATES OR CONDITIONS³

CARDIOVASCULAR

Arterial—
Capillary
Circulation
Coronary resistance
Erythropoiesis
Peripheral resistance
(Vascular)
Pulse
Vascular—
Vaso—

REPRODUCTION

Anestrus
Birth
Coitus
Ejaculation
Estrous cycle
Fertility
Fertilization
Implantation

Labor (Parturition)
Lactation
Maternal behavior
Menarche
Menstruation
Mitosis
Ovulation

Parturition Pregnancy Pseudopregnancy Puberty Reproduction Sex Weaning

NEUROMUSCULAR

Venous-

Chronaxie
Contract—
Deafferentation
Extensor tone
Facilitation
Incoordination
Inhibition
Irritability
Innervation
Nerve—

Neuromuscular—Re-innervation
Recruitment
Refractory period
Stretch
Summation
Suppression
Transmission—Treppe

ALIMENTARY

Absorption Appetite Chloresis Coprophagy Defecation Deglutition Digestion Emesis Gastric—HepaticHunger
Intestinal
Pancreas
Peristalsis
Renal
Salivation
Thirst
RENAL

Urination

METABOLISM

Basal metabolic rate
Deamination
Detoxification
Energy metabolism
Gluco—
Glyco—
Metabolism
Oxygen consumption
Respira—
Specific dynamic as

Oxygen consumption
Respira——
Specific dynamic action
(of)
Tolerance

VISION

Protanope

Trichromat

Accommodation
Contrast discrimination
Dark adaptation
Light adaptation
Perception, form
Peripheral motion acuity
Reading
Vision

SPECIAL SENSES

Hearing Smell Taste Touch

Skin, Hair, Feathers

Molting
Palmar skin resistance
Perspiration
Sweating
Temperature——

² See also under names of organs.

Pos	STURE, MOTION
	ergy transfer mechanical)
Loc	comotion
Pos	sture
Sta	nding
Str	uctural orientation
Ves	stibular function
Wa	lking
RE	SPIRATORY
Cor	ugh
Int	rathoracic pressure
	nute volume
Par	nting
Pul	monary
Res	spira—
Res	suscitation
C+ 1	1. 5

CNS
Bulbar excitability Consciousness Feeling tone Learning Memory
Emotion Excitement Fear

Rest Sleep

CONDITION, ADAPTIVE	STATE
Activity	A
Adaptation	L
Development	I I
Excitability	1
Growth	1
Inactivity	1
Motility	1
•	1
Death	1
Parabiosis	1
	1
Aged	1
Newborn	7
Longevity	1

Acclimatization
Accommodation
Alarm reaction
Diurnal variation
Endurance
Healing
Heat exchange
Hibernation
Homostasis
Reaction time
Strain
Tachyphylaxis
Temperature-
Weaning
Work

Reflexes ⁴
Bainbridge
Buffer
Carotid body
Carotid-mandibula
Chemoreflex
Conditioned
Depressor
Flexion
Gasping

Sighing Yawning

G	eotropic
H	ering-Breuer
Ir	hibitory
Jo	oint
K	nee jerk
L	abyrinthine
	inguo-maxillary
M	andibular
M	yenteric

Pharyngeal
Plantar
Proprioceptive
Pupillary constricte
Reflex
Respiratory
Righting
Salivation

Spinal
Stretch
Tendon
Thoracic pressure
Toe spreading
Vagal
Vasomotor
Vestibular

SUBJECT HEADINGS REFERABLE TO PATHOLOGICAL STATES OR CONDITIONS⁵

CNS
Analgesia
Cephalogyric-
Coma
Concussion
Convulsions
Epilepsy
Narcosis
Schizophrenia
Wallerian degeneration
Motion sickness

n

EYE	
Cataract	
Exophthalmos	6
Hippus	
Hypermetropi	a
Lacrimation	
Night blindne	SS
Nystagmus	
Papilledema	
•	

RICOOD, BLOOD CEL
Agranulocytosis
Anemia
Hemophilia
Leukemia
Leukocytosis
Leukopenia
Polycythemia
Thrombocytopenia
Thrombopenia

Nausea Diencephalic lesions

Mesenc	

BLOOD CONSTITUENTS ⁶		RESPIRATORY SYSTEM	
Acapnia	Hypercalcemia	Anoxia	Hyperpnea
Acidosis	Hypercapnia	Apneusis	Hyperventilation
Alkalosis	Hypocapnia	Asphyxia	Respiratory failure
Anoxemia	Hypoprothrombinemia		

⁴ Look under name of reflex, i.e. Bainbridge.

⁶ See also under name of organs. ⁶ See also under name of constituents.

CARDIOVASCULAR SYSTEM

Aeroembolism Circulatory failure Congestion Hemorrhage Hemostasis Hypertension

Ischemia Occlusion Orthostatic insufficiency Plethora

Cor pulmonale Interauricular septal defect Mitral stenosis Tachycardia

Bradycardia

ALIMENTARY TRACT

Anorexia Cirrhosis Distention Gastric acidity, low Jaundice Liver, fatty Ulcers

MUSCLE-NERVE

Hypotension

Clonus Hypertrophy Muscular dystrophy Myopathy Myotonia

Paralysis Tetany

HAIR

Syncope

Achromotrichia Alopecia BODY TEMPERATURE Fever

Heat exhaustion Hyperthermia Hypothermia Shivering

Burns Sunburn

URINE FORMATION

Anuria Diuresis Oliguria Polyuria

ALLERGIC

Allergy Anaphylaxis Hay fever Histamine shock Rhinitis, allergic

NEOPLASMS

Carcinoma Lymphosarcoma Neoplastic disease Tumors

DIETARY, METABOLIC

Alcoholism Arthritis Diabetes Hyperglycemia Hypervitaminosis Hypoglycemia Inanition Ketosis Obesity Rickets Scurvy

CAUSED BY INVADERS

Arthritis Coccidiosis Coryza Diphtheria Hepatitis Malaria Pancreatitis Tuberculosis

MISCELLANEOUS

Anxiety Cryptorchidism Edema Erythema Fear Frost-bite Gangrene Hypericism Inflammation Insomnia

Lead poisoning Lithiasis Lymphoid necrosis Osteoporosis Pain Radiation syndrome Shock—— Trench foot

EXPERIMENTAL PREPARATIONS

Biliary fistula Decapitated head Decerebrate Eck fistula Fistula Head-heart Heidenhain pouch Langendorff heart

Medullary animal

OPERATIVE PROCEDURES

Adrenalectomy Castration Denervation Evisceration Frontal lobectomy Hemidecortication Hepatectomy Hypophysectomy Laparotomy Nephrectomy
Nephro-omentopexy
Ovariectomy
Pancreatectomy
Parathyroidectomy
Pneumothorax
Spinal cord, transection

Splanchnicotomy

Splenectomy Sympathectomy Thymectomy Thyroidectomy Thyroparathyroidectomy Vagotomy

⁷ For deficiency diseases, see also under name of substance, e.g. thiamin deficiency.

SUBJECT HEADINGS REFERABLE TO CHEMICAL SUBSTANCES

ELEMENTS AND COMPOUNDS

Cations

Aluminum Ammonia Arsenic Barium Beryllium Boron Calcium Carbon Cesium Chrom—— Cobalt
Copper
Deuterium
Gold——
Iron
Lithium
Magnesium
Manganese

Molybdenum
Phosphorus
Potassium——
Rubidium
Sodium—
Thorium
Tin
Titanium

Uranium Vanadium Zinc

Colloid Crystalloid Electrolytes

Gases

Radon

Argon
Carbon dioxide
Carbon monoxide
Helium
Krypton (radioactive)
Nitrogen
Nitrous oxide
Oxygen

Mercury Anions

Arsenate
Arsenite
Azide
Bicarbonate
Bromide
Chloride

Cyanide Ferrocyanides Fluorides Nitrate Oxalate Phosphate Sulfates Tetrathionate Thiocyanate Thiocyanide Thiols Thiosulfate

FOOD AND TISSUE CONSTITUENTS

Carbohydrates

Arabinose Carbohydrate Cyclohexanol Fructose Galactose Glucose Glycogen Inulin Heparin Lactose Maltose Mannose Pectin Pentose Raffinose SIII Sorbose Starch Sucrose

Sweetose

Xylose

Lipids

Butyrate
Capric acid
Caproate
Caprylic acid
Cholesterol
Fat—
Fatty acids
Glycerol
Lipids
Oleic acid
Steroids

Triacetin Tributyrin Tricaproin Tricaprylin

Cardiolipin Cephalin Lecithin Lysolecithins Phospholipids Sphingomyelin

Proteins

Actomyosin Albumin Arsanilac-azo-ovalbumin Carboxyhemoglobin Casein Chromatin Collagen Ferric beta-globulinate Ferritin Fibrin Fibrinogen Gastric mucin Gelatin Globin Globulin Glutathione Hemoglobin Lactalbumin Methemoglobin Mucoproteins Myoglobin

Myosin Ovalbumin Oxyhemoglobin Oxypolygelatin Peptones Protein——

Amino Acids

Alanine Allothreonine Amino acids Arginine Aspartic acid Cysteine Cystine Diiodotyrosine Dopa Glutamic acid Glutaric acid Glycine Histidine Isoleucine Leucine Lysine Methionine Phenylalanine

Threonine Tryptophane Tyrosine Valine

Metabolites

Acetaldehyde Acetoacetate Acetone-Citrate Creatin-Dehydroacetate Disodium glycerol phosphate

Fumarate Glyceraldehyde Guanidoacetic acid Hexose phosphates Hippuric acid Histamine

β-Hydroxybutyric acid Lactate Maltate Maleic acid Malonate N-Methylnicotinamide Oxalacetate

Phosphoglyceric acid Phosphopyruvic acid Phosphorylcholine Pyruvate Succinate Trigonelline Urea-Uric acid

Energy-Rich Phosphates

Acyl phosphate Adenosine Phosphocreatine Nucleotides, Purines Adenine Adenosine Adenylic acid Cytosine

Guanine Inosinic acid Nucleic acid Pentnucleotide Thymine Uracil Uric acid Xanthosine

Factor W

Filtrate factor

Lipotropic factors

Animal protein factor

Vitamins

Vitamin A-Carotene Vitamin B₁₂ Folic acid Pteroyldiglutamyl glutamic acid

Vitamin B-complex

Aminobenzoic acids

Niacin Nicotinamide Pantothenic acid Pyridoxine Riboflavin Thiamin Vitamin E-

Tocopherols Vitamin K-Menadione

Vitamin P flavonoids

Vitamins Vitamins D

Ascorbic acid Dehydroascorbic acid Dehydroglucoascorbic acid Dehydroisoascorbic acid Glucoascorbic acid

D-Glucoascorbic acid

Isoascorbic acid

VEM

Cod liver oil Wheat germ oil

Substance P

Miscellaneous

Biotin Choline

Inositol

Necrosin Pyrexin Leukotaxine

Thromboplastin

Heme

Malononitrile

Prothrombin Urogastrone Uropancreatone VDM

Angiotonin Bradykinin Encephalin Hypertensinogen Renin

ENZYMES AND INHIBITORS

Enzymes

Amylase Amylopsin Arginase Carbonic anhydrase Catalase Choline oxidase Cholinesterase Chymotrypsin Cocarboxylase Cytochrome Dehydrogenase

Diastase Enzymes Esterase Fibrinogenase Fibrinolysin Glutaminase Hemolysins Hexokinase Histaminase Hyaluronidase Hypertensinase

Invertase Lipase Lysins Papain Pepsin Peptidase Phosphatases Phosphorylase Potato oxidase Rennin Respiratory enzymes Secretinase Staphylokinase Succinic dehydrogenase Succinoxidase Thromboplastic enzyme Thrombin Transsulfurase Trypsin Urease Uropepsin

Anti-Cholinesterases

Diisopropylfluorophosphate Hexaethyltetraphosphate Physostigmine

Tetraethylpyrophosphate

Enzyme Inhibitors8

Alloxan Alpha-naphthyl thiourea Azide Colchinine Cyanide

DDT Diphosgene Fluoride Fluoroacetate Iodoacetic acid Nitrogen mustard Oxygen-Phlorhizin Xanthopterin

^{*} See also under oxygen consumption.

HORMONES

Androgens

Androstadienols Androstanediols Androstanediones

Androstanols Androstenediones Androstenediols Androsterones Etiocholanol

Testosterone—

Estrogens, etc.

Dienestrol Estr—— Benzestrol

Pregnan—— Pregnen—— Progesterone

Diethylstilbesterol Stilbestrol

Posterior pituitary

Steroids

Adrenal Gland

Adrenocortical hormones Corticosterone Cortisone

Cortisone 11-Dehydrocorticosterone 11-Desoxy-17-hydroxycorticosterone Desoxycorticosterone

Epinephrine Nor-epinephrine Sympathin

17-Ketosteroids

Pituitary

Adrenocorticotropin Adrenotropic factor-Anterior pituitary hormones Gonadotropins Growth hormone Intermedin Lactogenic hormone

Thyrotropic hormone

Pituitrin
Pitressin
Pitocin

Mare serum hormone
Pituitary secretagogue

Cholecystokin
Enterocrinin
Enterogastrone
Gastrin
Pancreozymin

SI (pancreozymin & secretin)
Secretin
Neuro-

Acetyl-betamethylcholine Acetylcholine

Gastro-Intestinal

Other

Parathyroid-

Diiodotyrosine Diiodothyronine Thyro—— Thyroxin

Lipocaic Insulin

DRUGS

Hypnotics

Chloral—— Chlorobutanol Paraldehyde

Analgesics Acetanilide Amidone Antipyrine

Salicylaldoxime Salicylic acid CNS Depressants

Acetylene Alcohol Anesthesia Avertin Bromide Chloralosane Chloroform

Cyclopropane Ether Nitrous oxide Urethane Antiseptics

Alkyl resorcinols Aseptorform Astringents Chloramine-T Cresols Eugenol Formaldehyde Formalin Hexylresorcinol

Formalin Hexylresorcinol Phenol Resorcinol Anticonvulsants

Diphenyl hydantoin Hydantoin Mesantoin Methyl-phenyl-ethylhydantoin Trimethadione

Local Anesthetics

Cocaine Novocain Procaine Tetracaine

Barbiturates

Amytal
Diallylbarbituric acid
Ethyl-β-methylallylthiobarbituric acid

Evipal Hexobarbital Ortal Pentobarbital

Phenobarbital Seconal Sodium barbital

Sodium (1,3-dimethyl butyl) ethyl barbiturate

Sodium N-hexylethyl barbituric acid

Thiopentol V-12

Cardiac Glycosides

Digit—— Lanatosides Ouabain Antibiotics

Aureomycin Neomycin Penicillin Streptomycin Bile Acids, Salts

Bile—— Chalagogues Choleretic agents Deoxycholate Sodium—— Mercurials

Esidrone Mapharsen Meralluride Merc—— Mersalyl

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Antihistaminics Antistine Benadryl Decapryn Histadyl Pyribenzamine Thephorin

Ergot Derivatives Dihydroergo-Ergo-Tyramine

Atropine-like Syntropan Atropine Hyoscine Hyoscyamine Relaxants Myanesin

2-Methyl naphthoquinone Nicotine Papaverine Tetraethylammonium Tetramethylammonium iodide

Sympathomimetic Drugs

Amphetamine Cobefrin Dexedrine Ephedrine Epinine

Kephrin N-Methyl paredrine Neosynephrin Paredrine Priscoline

Privine Prostigmine Sympathomimetic amines Synephrin

Sulfa Drugs Acetylsulfanilamide Neoprontosil Phthalylsulfathiazole Succinyl sulfathiazole Sulfa-Thiophene-2-sulfonamide

CNS Stimulants9

Amphetamine Caffeine Camphor Dexedrine

Metrazol Nikethamide Pentamethylene tetrazol Picrotoxin

Strychnine Theobromine Theophylline

Curare Curare β-Erythroidine Tubocurarine

Foods

Beef heart Bitters Corn Corn syrup Eggs Garlic Liver Meat Oats Parsley Pork Protein Salt mixture

Soybeans Tobacco

Sea water Butter

Cod liver oil

Corn oil Cottonseed oil Fat Lard Margarine Mineral oil Mustard oil Olive oil Wheat germ oil Diets, Dietary Procedures

Cabbage-Calorie Carbohydrate-Carrot Cholesterol-Diet Fat-Food consumption High salts Ketogenic Overfeeding Paired feeding Potassium-low Self selection Sham feeding Single food choice

MISCELLANEOUS

Antigens, Vaccines

Dyes, Indicators, Pigments

Antigen N Toxins Typhoid-

Carmine Dyes Evans blue Fluorescein Hypericin

Indicator yellow Indigo Methylene blue Niagara sky blue Phenol red

Phenolsulphonphthalein Trypan blue Vital red Leucopterin

Radio-opaque

Diodrast Iopax Lipiodol Neoipax Skiodan

Detergents, Soaps

Calgon Saponin Soap Sodium lauryl sulfate Triton

Absorbents

Ion exchange resins Kaolin Norite Permutit Z

ar-

⁹ See also under convulsions.

SUBJECT HEADINGS REFERABLE TO SPECIES OF ANIMALS

Domestic, Laboratory Animals

Calf Hamster
Cat Horse
Cattle Mouse
Dog Ox
Donkey Pig
Goat Rat

Infra-Human Primates
Baboon——
Chimpanzee
Gibbon
Orang-utan

Children Infants Newborn Peruvian Indians

Man Woman

MAN

OTHER MAMMALS

Guinea pig

Antelope Armadillo Bat Bear Beaver Boar Camel Deer
Eland
Ferret
Fox
Ground squirrel
Indian blackbuck

Sheep

Kinkajou Lion Llama Mink Muskrat Ocelot

Goldfish

Limulus

Salmon

Sea bass

Shark

Parrot fish

Haddock

Opossum Peccary Raccoon Seal Sloth Squirrel Weasel

BIRDS

Birds
Chick—
Dove
Duck
Pigeon
Swift
Turkey
Wren

FISH, MOLLUSCS
Cambarus clarkii
Chub
Dogfish
Dolphin
Eel
Fish
Flounder

Shiner Squid Stingray Sturgeon Sucker Toadfish

REPTILES, AMPHIBIA

Alligator Crocodile Daboia Frog Lizard Necturus Newt Snakes Tadpole Toad Tortoise Turtle Water moccasin

Ascaris suum Drosophila Echinococcus granulosa Lactobacillus casei Lycopodium spores PARASITES Lithosperr Panulirus Phormia Schillirosic

Girella nigricans

Lithospermum ruderale Panulirus interruptus Phormia Schilliroside

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